

# Overview of *Draft Statewide Guidelines for Reducing Impacts to Birds and Bats from Wind Energy Development*

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# Gather Preliminary Information and Conduct Site Screening

- Sources of Preliminary Information
- Site-Screening and Assessment



# Form a Science Advisory Committee

Purpose

Membership



# Collect Data Using Standard Pre-Permitting Monitoring Protocol



## Diurnal Bird Surveys

Bird Use Count: Once/per week for one year, 30-minute counts at sample sites.

Other techniques as needed: Small bird counts, migration counts, raptor nest searches, mist-netting

# Standard Pre-Permitting Monitoring Protocol



## Nocturnal Bird Surveys

Radar, acoustic monitoring, ceilometers, moon-watching, thermal imaging

## Bat Survey Methods

One year of nightly acoustic monitoring at ground level and at 30 meters above ground. Other techniques as needed: mist-netting, roost searches, radar, thermal imaging.

# Identify Potential Impacts and Comply With Laws



## California and Federal Wildlife Laws

Evaluating and determining direct,  
indirect, cumulative impacts



# Identify Impact Avoidance, Minimization, and Mitigation Measures



- Direct impact avoidance and minimization
- Compensation
- Operational impact avoidance, minimization, and mitigation
- Adaptive management / effectiveness monitoring

# Collect Data Using the Standard Operations Monitoring Protocol

- Diurnal monitoring
- Nocturnal monitoring birds and bats
- Carcass searches
- Searcher Efficiency trials
- Carcass removal trials
- Other monitoring
- Feedback to Avoidance, Minimization and Mitigation





